



U.S. Department
of Transportation
**Pipeline and
Hazardous Materials
Safety Administration**

**IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS
CERTIFICATE USA/0726/S-96, REVISION 3**

East Building, PHH-23
1200 New Jersey Avenue Southeast
Washington, D.C. 20590

This certifies that the source described has been demonstrated to meet the regulatory requirements for special form radioactive material as prescribed in the regulations of the International Atomic Energy Agency¹ and the United States of America² for the transport of radioactive material.

1. Source Identification - QSA Global, Inc. Model XN240 (Manufactured on or after February 10, 1971).
2. Source Description - Rectangular single encapsulation made of stainless steel and seal welded. Approximate outer dimensions are 34.93 mm (1.375 in.) in height, 50.01 mm (1.969 in.) in depth, and 114.3 mm (4.5 in.) in length (shutter open or closed) including the attached extension and knob. Minimum wall thickness is 0.13 mm (0.005 in.). Construction shall be in accordance with attached Industrial Dynamics Co., LTD. Drawing Nos. 06110, Rev. 7; and 06110-1, Rev. 4.
3. Radioactive Contents - No more than 3.7 GBq (100.0 mCi) of Americium-241. The Am-241 is in the form of an oxide incorporated into a ceramic enamel.
4. Quality Assurance - Records of Quality Assurance activities required by Paragraph 310 of the IAEA regulations¹ shall be maintained and made available to the authorized officials for at least three years after the last shipment authorized by this certificate. Consignors in the United States exporting shipments under this certificate shall satisfy the applicable requirements of Subpart H of 10 CFR 71.
5. Expiration Date - This certificate expires on October 31, 2020.

¹ "Regulations for the Safe Transport of Radioactive Material, 1996 Edition (Revised), No. TS-R-1 (ST-1, Revised)," published by the International Atomic Energy Agency(IAEA), Vienna, Austria.

² Title 49, Code of Federal Regulations, Parts 100-199, United States of America.

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This certificate is issued in accordance with paragraph 804 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the October 08, 2015 petition by QSA Global, Inc., Burlington, MA, and in consideration of other information on file in this Office.

Certified By:



Dr. Magdy El-Sibaie
Associate Administrator for Hazardous Materials Safety

Oct 19 2015
(DATE)

Revision 3 - Issued to extend the expiration date.

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| REV | DATE | BY | CHKD | APPV | REVISIONS |
| 4 | 3/75 | JH | SG | DK | RE-CREATED NEW CAD FILE UPDATED PART NUMBERS ON WITH E.O.M. - REMOVED WELD SYMBOL (2). |

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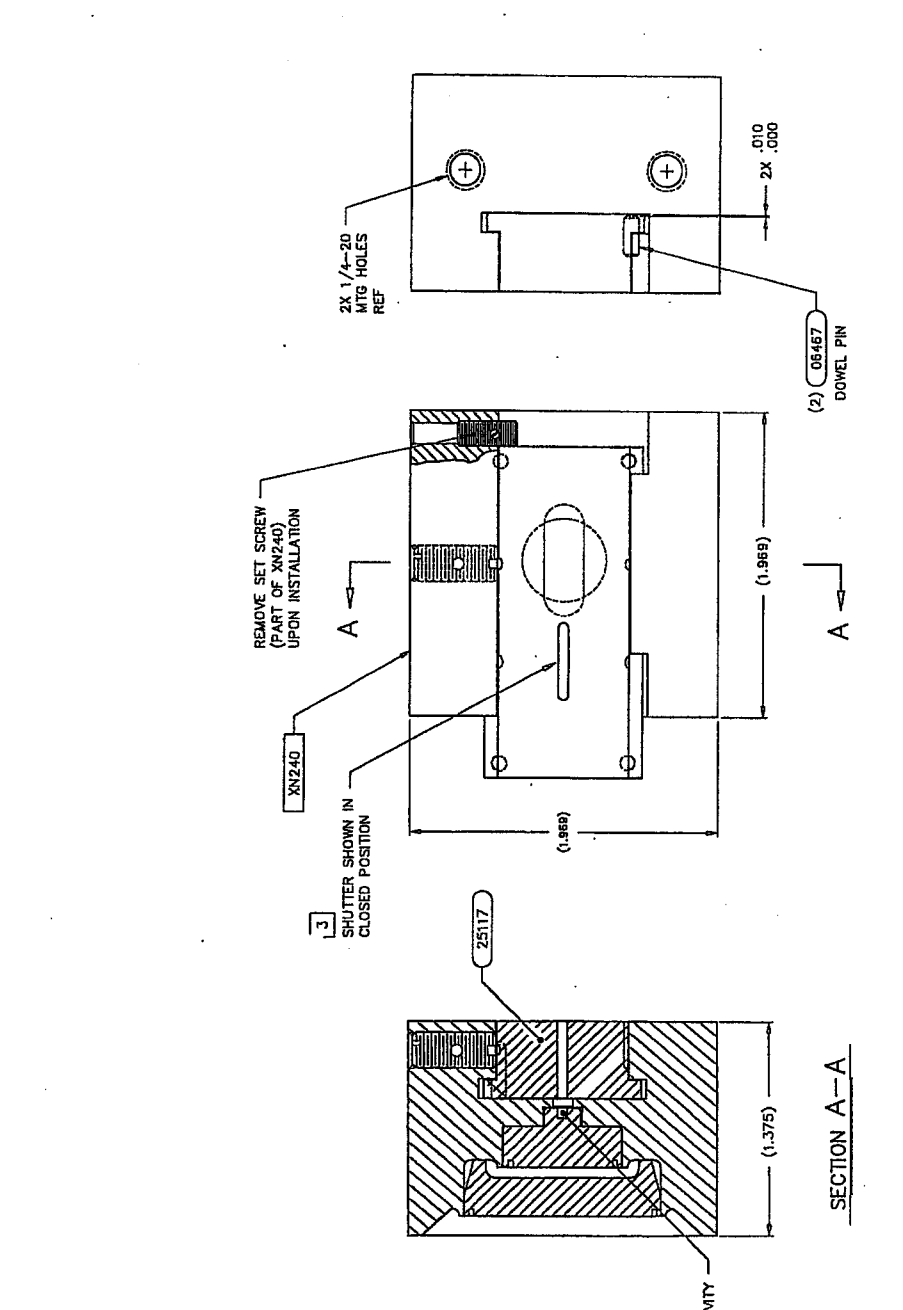
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4. FOR SHIPPING PURPOSES TWO DOWEL PINS (06467), SHUTTER (04567) AND SOURCE HOUSING (04568) MUST BE ASSEMBLED AS SHOWN, SO SHUTTER CAN BE PLACED IN CLOSED POSITION AND RETAINED BY SET SCREW (06828). SHUTTER MUST BE CLOSED AND LOCKED DURING SHIPPING PROCESS. SET SCREW IS BACKED OUT OR REMOVED UPON INSTALLATION OF SOURCE IN DEVICE.
 3. SHUTTER MAY BE INSTALLED OPPOSITE HAND TO THAT SHOWN.
 2. SOURCE TO BE SENT TO RADIO CHEMICAL CENTER, FOR LOADING AND WELDING.
 1. 100 MILLICURIES AMERICIUM 241 IN CERAMIC FORM.
- NOTES: UNLESS OTHERWISE SPECIFIED

| ITEM NO. | NO. REV. | PART NUMBER | DESCRIPTION | REMARKS |
|-------------|------------|---------------|---|---------|
| 06110-1 | 4 | | INDUSTRIAL DYNAMICS CO., LTD. TORRANCE, CALIFORNIA | |
| DATE | | DATE | DATE | DATE |
| 1/20/95 | 3/03/95 | 7/17/92 | 8/22/98 | 06110-1 |
| HOAI NGUYEN | STEVE GRAY | DAVID KRIEBEL | F.L. CALHOUN | |
| DATE | DATE | DATE | DATE | DATE |
| 1/20/95 | 3/03/95 | 7/17/92 | 8/22/98 | 06110-1 |
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CERTIFICATE NUMBER: USA/0726/S-96, Revision 3

ORIGINAL REGISTRANT(S):

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